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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Attorney Docket Number	112624.00028
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Sheet	1	of	8
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Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/716,293	
			Filing Date	11-17-03	
			First Named Inventor	Massia, et al.	
			Group Art Unit	1614	
			Examiner Name		
Sheet	2	of	8	Attorney Docket Number	112624.00028

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/RN/	B	Alemay, M. et al., "Sequence 274-368 in the b3 subunit of the integrin αIIb β3 provides a ligand recognition and binding domain for the gamma chain of fibrinogen that is independent of platelet activation. Blood 87: 592-601.	
	C	Bajt, M. et al., "A spontaneous mutation of integrin αIIb β3 (platelet glycoprotein IIb/IIIa) helps define a binding site. (1992) J Biol Chem 267: 3789-3794.	
	D	Baneres, J., et al., "The cation-binding domain from the alpha subunit of integrin α5β1 is a minimal domain for fibronectin recognition. J Biol Chem (1998) 273: 24744-24753.	
	E	Bazzoni, G. et al., "Monoclonal antibody 9EG7 defines a novel β1 integrin epitope induced by soluble ligand and manganese, but inhibited by calcium. (1995) J Biol Chem 270: 25570-25577.	
	F	Bitan, G. et al., "Ligand-integrin αv β3 interaction determined by photoaffinity cross-linking. Biochem (2000) 39: 11014-11023.	
	G	Bitan, G. et al., "Mapping of the integrin αv β3-ligand interface by photoaffinity cross-linking. Biochem (1999) 38: 3414-3420.	
	H	Calvete, J. et al., "Characterization of the cross-linking site of disintegrins albolabrin, bitistatin, echistatin, and eristostatin on isolated human platelet integrin gpIIb/IIIa. (1994) Biochem Biophys Res Comm 202: 135-140.	
	I	Calvete, J. et al., "Glycoprotein IIb peptide 656-667 mimics the fibrinogen gamma chain 402-411 binding site on platelet integrin GPIIb/IIIa (1993) FEBS Lett 235: 132-135.	
	J	Calvete, J. et al., "Localisation of the cross-linking sites of RGD and KQAGDV peptides to the isolated fibrinogen receptor, the human platelet integrin glycoprotein IIb/IIIa- Influence of peptide length. (1992) Eur J Biochem 206: 759-765.	
	K	Calvete, J. et al., "Proteolytic dissection of the isolated platelet fibrinogen receptor, integrin gp IIb/IIIa-localization of gpIIb and gp IIIa putatively involved in the subunit interface and in intrasubunit and intrachain contacts. (1992) Biochem J 282: 523-532.	
↓	L	Cao, Z. et al., "Identification of a domain on the integrin α5 subunit implicated in cell spreading and signaling. J Biol Chem (1998) 273: 31670-31679.	

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/RN/	M	Castronovo, V. et al., "Laminin receptor complementary DNA-deduced synthetic peptide inhibits cancer cell attachment to endothelium. (1991) Canc Res 51: 5672-5678.		
	N	Chen, L. et al., "Identification of ligand binding sites on integrin α4 β1 through chemical cross-linking. (1998) 37: 8743-8753.		
	O	Ciemiewska-Cieslak, A. et al., "Identification and characterization of two cation binding sites in the integrin β3 subunit. J Biol Chem (2002) 277: 11126-11134.		
	P	Ciemiewska-Cieslak, A. et al., "Characterization of Cation-Binding Sequences in the Platelet..." Biochemistry, Vol. 33, 12238-12246, 1994		
	Q	Cook, J. et al., "Binding of glycoprotein-IIIa-derived peptide 217-231 to fibrinogen and von Willebrand factor and its inhibition by platelet glycoprotein IIb/IIIa complex. (1992) Biochim Biophys Acta 1119: 312-321.		
	R	D'Souza, S. et al., "Identification of an active sequence within the first immunoglobulin domain of intercellular molecule-1 (ICAM-1) that interacts with fibrinogen (1996) J Biol Chem 271: 24270-24277.		
	S	D'Souza, S. et al., "Ligand and Cation-binding are dual functions of a discrete segment of the integrin β3 subunit - cation displacement is involved in ligand-binding. (1994) Cell 79: 659-667.		
	T	D'Souza, S. et al., "Localization of an Arg-Gly-Asp recognition site within and integrin adhesion receptor. Science (1990) 242: 91-93.		
	U	D'Souza, S. et al., "The ligand binding site of the platelet integrin receptor GPIIb-IIIa is proximal to the second calcium binding domain of its alpha subunit (1990) J Biol Chem 265: 3440-3446.		
	V	Du, X. et al., "Long range propagation of conformational changes in integrin αIIb β3. J Biol Chem (1993) 268: 23087-23092.		
↓	W	Gartner, T. et al. "The peptide Glu-His-Ile-Pro-Ala binds fibrinogen and inhibits platelet aggregation and adhesion to fibrinogen and vitronectin. (1991) Proc Soc Exp Biol Med 198: 649-655. (Abstract Only)		

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/RN/	X	Gulino, D. et al., "Calcium-binding properties of the platelet glycoprotein IIb ligand-interacting domain (1992) J Biol Chem 267: 1001-1007.	
	Y	Honda, S. et al., "Topography of ligand-induced binding sites, including a novel cation-sensitive epitope (AP5) at the amino terminus, of the human integrin b3 subunit. (1995) J Biol Chem 270: 11947-11954.	
	Z	Huang, C. et al., "Structural and functional studies with antibodies to the integrin b2 subunit. (2000) 275: 21514-21524.	
	AA	Irie, A. et al., "Critical amino acid residues for ligand-binding are clustered in a predicted beta-turn of the 3rd N-terminal repeat in the integrin a4 and a5 subunits. EMBO J (1995) 14: 5550-5556.	
	AB	Irie, A. et al., "Multiple loop structures critical for ligand binding of the integrin a4 subunit in the upper face of the beta-propeller mode 1. Proc Natl Acad Sci USA 1997; 94: 7198-7203.	
	AC	Jois, S. et al, "Comparison of solution conformations of a cell-adhesive peptide LBE and its reverse sequence EBL. J Biomol Struc Dyn 1999;17:429-444.	
	AD	Jois, S. et al., "A Ca ²⁺ binding cyclic peptide derived from the a-subunit of LFA-1: Inhibitor of ICAM-1/LFA-1-mediated T-cell adhesion. J Pept Res 1999;53:18-29.	
	AE	Kam, J. et al., "MUC1 synthetic peptide inhibition of intercellular adhesion molecule-1 and MUC1 binding requires six tandem repeats. (1998) Canc Res 58: 5577-5581.	
	AF	Kamata, T. et al, "Interaction between collagen and a2 I domain of integrin a2/b1. J Biol Chem (1999) 274: 32108-32111.	
	AG	Kamata, T. et al., "Identification of putative ligand-binding sites within of the integrin a4b1 (VLA-2, CD49d/CD29). Biochem J (1995) 305: 945-951.	
↓	AH	Kamata, T. et al., "The role of CPNKEKEC sequence in the beta 2 subunit I domain in regulation of integrin aL b2 (LFA-1). (2002) J Immunol 168: 2296-2301.	

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/RN/	AI	Grunkemeier, J. et al., "Fibrinogen receptor-like biomaterials made by pre-adsorbing peptides to polystyrene substrates (1996) J Mol Recog 9: 247-257.	
	AJ	Kamata, T. et al., Identification of putative ligand binding sites within I domain of integrin a2/b1 (VLA-2, CD49b/CD29). J Biol Chem (1994) 269: 9659-9663.	
	AK	King, S. et al., "Echovirus-1 interaction with the human very late antigen-2 (integrin a2/b1) I domain. J Biol Chem (1997) 272: 285518-28522.	
	AL	Kouns, W. et al., "Further characterization of the loop structure of platelet glycoprotein IIIa- partial mapping of functionally significant glycoprotein IIIa epitopes. (1991) Blood 78: 3215-3223.	
	AM	Lasz, E. et al., "b3 integrin derived peptide 217-230 inhibits fibrinogen binding and platelet aggregation: significance of RGD sequences and fibrinogen A alpha chain. (1993) Biochem Biophys Res Comm 190: 118-124.	
	AN	Lin, E. et al., "Identification of a region in the integrin b3 subunit that confers ligand binding specificity. (1997) J Biol Chem 272: 23912-23920.	
	AC	Liu, Y. et al., "The binding ability of matrix proteins and the inhibitory effects on cell adhesion of synthetic peptides derived from a conserved sequence of integrins" (1997) J Biochem 121: 961-968.	
	AP	Lu, C. et al., "Epitope mapping of antibodies to the C-terminal region of the integrin b2 subunit reveals regions that become exposed upon receptor activation. (2001) 166: 5629-5637.	
	AC	Makagiansar, Y. et al., "Binding and internalization of an LFA-1-derived cyclic peptide by ICAM receptors on activated lymphocyte: A potential ligand for drug targeting to ICAM-1 expressing cells. Pharm Res 2001;18:329-335.	
	AR	Makagiansar, Y. et al., "Inhibition of the adherence of T-lymphocytes to epithelial cells by a cyclic peptide derived from inserted domain of lymphocyte function-associated antigen-1. Inflammation 2001;25:203-214.	
✓	AS	Makogonenko, M. et al., "Thermal stability of individual domains in platelet glycoprotein IIbIIIa (1996) Eur J Biochem 237: 205-211.	

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/RN	AT	Mould, A. et al., "Molecular basis of ligand recognition by integrin α5β1. J Biol Chem (2000) 275: 20324-20336.		
	AU	Ni, H. et al., "Localisation of a novel adhesion blocking epitope on the human beta 1 integrin chain. (1998) Cell Adhesion and Comm 5: 257-271.		
	AV	Pasqualini, R. et al., "A peptide isolated from phage display libraries is a structural and functional mimic of an RGD-binding site on integrins. (1995) J Cell Biol 130: 1189-1196.		
	AV	Plescia, J. et al., "Molecular identification of the cross-reacting epitope on αbb2 integrin I domain recognized by anti-αllbb3 monoclonal antibody 7E3 and its involvement in leukocyte adherence. J Biol Chem (1998) 273: 20372-20377.		
	AX	Puzon-McLaughlin, W. et al., "Critical residues for ligand binding in an I domain-like structure of the integrin β1 subunit. (1996) J Biol Chem 271: 20438-20443.		
	AY	Puzon-McLaughlin, W. et al., "Multiple discontinuous ligand-mimetic antibody binding sites define a ligand binding pocket in integrin αllb β3. (2000) J Biol Chem 275: 7795-7802.		
	AZ	Rieu, P. et al., "The A domain of β2 integrin CR3 (CD11b/CD18) is a receptor for the hookworm-derived neutrophils adhesion inhibitor NIF. J Cell Biol 1994; 127: 2081-2091.		
	BA	Scheibler, L. et al., "Identification of a contact domain between echistatin and the integrin αv β3 by photoaffinity cross-linking. Biochem (2001) 40: 15117-15126.		
	BB	Schiffer, S. et al., "Molecular mapping of functional antibody binding sites of α4 Integrin. J Biol Chem (1995) 270: 14270-14273.		
	BC	Shannon, J. et al., "Novel cyclic peptide inhibits intercellular adhesion molecule-1 mediated cell aggregation. (2001) J Peptide Res 58: 140-150.		
↓	BC	Shih, D. et al., "Epitopes of adhesion-perturbing antibodies map within a predicted alpha helical domain of the integrin β1 subunit. (1997) 110: 2619-2628.		

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/RN	BE	Steiner, B. et al., "Peptides derived from a sequence within b3 integrin bind to a platelet al1b b3 (gp11b-IIIa) and inhibit ligand binding. (1993) J Biol Chem 268: 6870-6873.	
	BF	Takada, Y. et al., "Identification of regulatory region of integrin b1 subunit using activating and inhibiting antibodies. (1993) J Biol Chem 268: 17597-17601.	
	BG	Takagi, J. et al., "Changing ligand specificities of avb1 and avb3 integrins by swapping a short diverse sequence of the beta subunit. (1997) J Biol Chem 272: 19794-19800.	
	BH	Tibbetts, S. et al., "Peptides derived from ICAM-1 and LFA-1 modulate T cell adhesion and immune function in a mixed lymphocyte culture. Transplantation 1999;68:685-692.	
	BI	Tidswell, M. et al., "DJ. Structure-function analysis of the integrin b7 subunit: identification of domains involved in adhesion to MAdCAM-1. J Immunol (1997) 159: 1497-1505.	
	BJ	Triantafyllou, M. et al., "High affinity interactions of coxsackievirus A9 with integrin av b3 (CD51/61) require the CYDMKTTC sequence of b3, but do not require the RGD sequence of the CAV-9 VP-1 protein. (2000) Human Immunol 61: 453-459.	
	BK	Tuckwell, D. et al., "Monoclonal antibodies identify residues 199-216 of the integrin a2 vWFA domain as a functionally important region within a2/b1. Biochem J (2000) 350: 485-493. U.S. Patent No. 5,843,885, Benedict et al (1998)	
	BL	Welpy, J. et al., "A peptide isolated by phage display binds to ICAM-1 and inhibits binding to LFA-1. (1996) Proteins Struct Funct Genetics 26: 262-270.	
	BM	Wierzbicka, I. Et al., "Interaction of b3 integrin-derived peptides 214-218 and 217-231 with al1b b3 complex and with fibrinogen A alpha chain (1997) Thromb Res 85: 115-126.	
	BN	Xiong, Y. et al., "Identification of functional segments within the b2 I-domain of integrin am b2. (2002) 277: 46639-46644.	
✓	BC	Xiong, Y. et al., "Structure-function of the putative I-domain within the integrin b2 subunit. (2001) 276: 19340-19349.	

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/RN/	BP	Yakubenko, V. et al., "Identification of the Binding Site for Fibrinogen.....". Journal of Biological Chemistry, Vol. 276, No. 17., 2001, pp. 13995-14003.	
↓	BC	Yao, L. et al., "Interactions of Integrin GPIIb/IIIa-derived peptides....", Biochem J., 315, pp. 161-170, 1996.	
↓	BR	Zhang, L. et al., "Amino acid sequences within the alpha subunit of integrin am b2 (Mac-1) critical for specific recognition of C3bi. Biochem (1999) 38: 8064-8071.	

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